BID ADDENDUM NO. 4

July 17, 2026
Alfred Almond CSD
2025 Capital Project
2028-059

SED #02-01-01-04-0-001-037 – K-12 Main Campus Building

The following Addendum items shall be considered a part of the contract documents prepared by HUNT ENGINEERS, ARCHITECTS, LAND SURVEYORS & LANDSCAPE ARCHITECT, DPC. Bid Document date of April 7, 2026, issued for bid June 3, 2026.

Clarifications issued by this Addendum:

1. None

Project Manual Sections issued by this Addendum:

23 74 13 - RN Series Rooftop Units

08 44 13 – Glazed Aluminum Curtain Walls

Drawings issued by this Addendum:

AD4-S1 – PARTIAL FOUNDATION DEMO PLAN

AD4-S2 – PARTIAL FIRST FLOOR FRAMING PLAN

AD4-S3 – FOUNDATION DETAILS

AD4-H1 – GYMNASIUM RETURN GRILLES

AD4-P1 - REVISED LOCKER ROOM RISER DIAGRAM

AD4-P2 - HS CAFETERIA DOMESTIC SCHEMATIC

MC-A0.2 – FIRST FLOOR DEMO PLAN – AREA D

MC-A0.4 – FIRST FLOOR DEMO PLAN – AREA G & H

Revisions to Project Manual issued by this Addendum:

ITEM AD4-1 Refer to 00 01 12 – Table of Contents
DELETE specification section 08 43 13 – Aluminum-Framed Storefront in its entirety

ITEM AD4-2 Refer to 00 01 12 – Table of Contents

ADD specification section 08 44 13 – Glazed Aluminum Curtain Walls to the Table of Contents

ITEM AD4-3 Refer to 01 10 00 – Summary

ADD "Asbestos (AB)" to paragraph 1.10, A

ITEM AD4-4 Refer to 01 10 00 – Summary

AMEND paragraph 1.10, A, 2 to read: "Provide the complete work of Division 03 – Concrete including the following: ".

ITEM AD4-5 Refer to 07 42 13.19 – Insulated Metal Wall Panels

AMEND paragraph 2.3, A, 2 to read "….; vertical and horizontal panels"

ITEM AD4-6 Refer to 08 71 00 – Door Hardware

ADD Ives as an approved manufacturer for the following:

1. Butt Hinges
2. Continuous Hinges
3. Flush & Surface Bolts
4. Coordinators
5. Door Push and Pulls
6. Architectural Trim & Accessories
7. Door Stops and Bumpers

ADD LCN as an approved manufacturer for the following:

8. Surface Door Closers

ADD Glynn Johnson as an approved manufacturer for the following:

9. Overhead Door Stops and Holders

ADD Zero as an approved manufacturer for the following:

10. Architectural Seals

ITEM AD4-7 Refer to 10 28 00 – Toilet, Bath, Laundry Accessories

ADD paragraph 2.1, B, 5 to read: "Saniflow Corporation (Hand Dryers)"

ITEM AD4-8 Refer to 10 51 26 – Plastic Lockers

ADD paragraph 2.1, A, 3 to read: "LockersMFG"

ITEM AD4-9 Refer to 23 74 13 – Packaged Outdoor Central Air-Handling Units

DELETE 23 74 13 – Packaged Outdoor Central Air-Handling Units in its entirety.

ADD 23 74 13 – RN Series Rooftop Units as issued by this addendum.

ITEM AD4-10 Refer to 23 33 00 – Air Duct Accessories

ADD Paragraph 3.2, H to read: "Provide balancing dampers at points on supply, return, and exhaust systems where branches are taken from larger ducts as required for air balancing. Install minimum two duct widths from duct take-off."

Revisions to Drawings issued by this Addendum:

ITEM AD4-11 Refer to MC-S0.2 – FOUNDATION DEMO PLAN – ARE D

ADD Demolition Note D11 to read: "D11 – DEMO THE EXISTING UPPER SLAB ON GRADE AND REMOVE FILL AS REQUIRED FOR NEW WORK."

ITEM AD4-12 Refer to MC-S0.2 – FOUNDATION DEMO PLAN – ARE D

ADD Demolition Note D12 to read: "D12 – DEMO THE EXISTING LOWER SLAB ON GRADE TO EXTENTS SHOWN."

ITEM AD4-13 Refer to MC-S0.2 – FOUNDATION DEMO PLAN – ARE D

AMEND Plan 1/MC-S0.2 per partial plan on AD4-S1 as issued with this addendum.

ITEM AD4-14 Refer to MC-S1.2 – FIRST FLOOR FRAMING PLAN – ARE D

AMEND Plan 1/MC-S1.2 per partial plan on AD4-S2 as issued with this addendum.

ITEM AD4-15 Refer to MC-S3.2 – FOUNDATION DETAILS

ADD Detail 19 per AD4-S2 as issued with this addendum.

ITEM AD4-16 Refer to MC-S3.2 – FOUNDATION DETAILS

ADD Detail 20 per AD4-S2 as issued with this addendum

ITEM AD4-17 Refer to MC-A0.2 – FIRST FLOOR DEMO PLAN – AREA D

DELETE MC-A0.2 – FIRST FLOOR DEMO PLAN – AREA D

ADD MC-A0.2 – FIRST FLOOR DEMO PLAN – AREA D, as issued by this addendum.

ITEM AD4-18 Refer to MC-A0.4 – FIRST FLOOR DEMO PLAN – AREA G & H

DELETE MC-A0.4 – FIRST FLOOR DEMO PLAN – AREA G & H

ADD MC-A0.4 – FIRST FLOOR DEMO PLAN – AREA G & H, as issued by this addendum.

ITEM AD4-19 Refer to MC-H1.3 – FIRST FLOOR NEW WORK PLAN – AREA G

AMEND Detail 1 per AD4-H1 as issued by this addendum.

ITEM AD4-20 Refer to AD3-P1 – LOCKER ROOM RISER DIAGRAM

AMEND AD4-P1 REVISED LOCKER ROOM DIAGRAM, as issued with this addendum.

ITEM AD4-21 Refer to MC-P3.1 – SCHEDULES & SCHEMATICS

ADD CT-1 TO Plumbing Fixture Schedule to read "Cows Tongue Downspout Nozzle, MFG./MODEL Jay R. Smith 1771-PB, 4 inch, as issued by this addendum.

ITEM AD4-22 Refer to MC-P2.2 – FIRST FLOOR DOMESTIC PLANS

ADD AD4-P2 - HS CAFETERIA DOMESTIC SCHEMATIC, as issued by this addendum.

ITEM AD4-23 Refer to MC-E2.5 - SECOND FLOOR LIGHTING & FIRE ALARM PLAN - AREA B

AMEND Construction Notes – Lighting & Fire Alarm note #L5 to read as follows: "PROVIDE FULL PRICING AS PART OF ALTERNATE #2 TO INCLUDE ALL AS FOLLOWS: PROVIDE (6) NEW ON/OFF SWITCHES TO CONTROL LIGHTS. CONTRACTOR TO INVESTIGATE EXISTING LIGHTING PATHWAYS FOR LIGHTING IN LIBRARY. INTENT IS IF EXISTING PATHWAYS ARE VIABLE TO USE, PULL NEW 2#12, 1#12G WIRE THROUGH THE EXISTING PATHWAY. RE-WIRE EXISTING PENDANT LIGHTING IN SPACE AND TIE TO NEW SWITCHES. IF EXISTING PATHWAY IS NOT VIABLE, CONTRACTOR TO VERIFY IF EXISTING WOODEN BEAMS ARE HOLLOW FOR NEW 2#12, 1#12G, ¾"C TO BE RAN THROUGH BEAM. IF BOTH THE PREVIOUS OPTIONS ARE NOT VIABLE CONTRACTOR TO SURFACE MOUNT NEW CONDUIT HIDDEN FROM ENTRYWAY AND TO BE COORDINATED ONSITE WITH ARCHITECT TO BE RAN TO REWIRE LIGHTING WITH 2#12, 1#12G, ¾"C. CONDUIT TO BE PAINTED TO MATCH EXISTING CEILING COLOR AND COORDINATED IN THE FIELD."

ITEM AD4-24 Refer to MC-E3.2 - MECHANICAL EQUIPMENT AND CONNECTION SCHEDULE

DELETE work associated with "ACCU-1" as detailed on Mechanical Equipment Connection and Control Schedule.

ITEM AD4-25 Refer to MC-E3.2 - MECHANICAL EQUIPMENT AND CONNECTION SCHEDULE

DELETE work associated with "AHU-1" as detailed on Mechanical Equipment Connection and Control Schedule.

ITEM AD4-26 Refer to MC-T1.4 - FIRST FLOOR TECHNOLOGY PLAN - AREA D

AMEND detail 1 in reference to under water speaker to include (3) only on west side of the pool, refer to details on MS-PS1.1.

End of Addendum 4

SECTION 23 74 13
RN SERIES ROOFTOP UNITS

PART 1 - GENERAL

1.1 REFERENCE STANDARDS

A. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; Most Recent Edition Cited by Referring Code or Reference Standard.

B. ASTM B117 - Standard Practice for Operating Salt Spray (Fog) Apparatus; 2019.

C. ASTM D1929 - Standard Test Method for Determining Ignition Temperature of Plastics; 2023.

1.2 GENERAL DESCRIPTION

A. This section includes the design, controls and installation requirements for packaged rooftop units / heat pumps / outdoor air handling units.

1.3 QUALITY ASSURANCE

A. Packaged air-cooled condenser and air-source heat pump units shall be certified in accordance with ANSI/AHRI Standard 340/360 performance rating of commercial and industrial unitary air-conditioning and heat pump equipment.

B. Unit shall be certified in accordance with UL Standard 60335-2-40 and CSA C22.2 No. 236, Safety Standard for Heating and Cooling Equipment.

C. Unit and refrigeration system shall comply with ASHRAE 15, Safety Standard for Mechanical Refrigeration.

D. Unit Energy Efficiency Ratio (EER) shall be equal to or greater that prescribed by ASHRAE 90.1, Energy Efficient Design of New Buildings except Low-Rise Residential Buildings.

E. Unit shall be safety certified by ETL and be ETL US and ETL Canada listed. Unit nameplate shall include the ETL/ETL Canada label.

F. Unit shall include a wind load report in accordance with 2023 Florida Building Code and ASCE 7-22. Report shall document maximum mounting height above natural grade for various wind speeds. Report shall include special instructions for curb construction and fastening the unit to the curb.

1.4 SUBMITTALS

A. Product Data: Literature shall be provided that indicates dimensions, operating and shipping weights, capacities, ratings, fan performance, filter information, factory supplied accessories, electrical characteristics and connection requirements. Installation, Operation, and Maintenance manual with startup requirements shall be provided.

B. Shop Drawings: Unit drawings shall be provided that indicate assembly, unit dimensions, construction details, clearances and connection details. Computer generated fan curves for each fan shall be submitted with specific design operation point noted. Wiring diagram shall be provided with details for both power and control systems and differentiate between factory installed and field installed wiring.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Unit shall be shipped with doors bolted shut and outside air hood closed to prevent damage during transport and thereafter while in storage awaiting installation.

B. Follow Installation, Operation, and Maintenance manual instructions for rigging, moving, and unloading the unit at its final location.

C. Unit shall be stored in a clean, dry place protected from construction traffic in accordance with the Installation, Operation, and Maintenance manual.

1.6 WARRANTY

A. Manufacturer shall provide a limited “parts only” warranty for a period of 12 months from the date of equipment startup or 18 months from the date of original equipment shipment from the factory, whichever is less. Warranty shall cover material and workmanship that prove defective, within the specified warranty period, provided manufacturer’s written instructions for Installation, Operation, and maintenance have been followed. Warranty excludes parts associated with routine maintenance, such as belts and filters.

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. Products shall be provided by the following manufacturers:
   1. AAON
   2. Substitute equipment may be considered for approval that includes at a minimum:
      a. R-454B refrigerant
      b. Variable capacity compressor with 10-100% capacity control (RTU-3 & 4)
      c. Variable speed refrigerant injection compressor (RTU-2)
         1) Heat pump shall utilize refrigerant economizer and injection technology to extend operating envelope down to -20.
      d. Direct drive supply fans
      e. Double wall cabinet construction
      f. Insulation with a minimum R-value of 16
      g. Stainless steel drain pans
      h. Hinged access doors with lockable handles
      i. All other provisions of the specifications must be satisfactorily addressed

2.2 ROOFTOP UNITS

A. General Description
   1. Packaged rooftop unit shall include:
      a. Evaporator coils
      b. Filters
      c. Supply fans
      d. Dampers
      e. Air-source heat pump
      f. Variable capacity compressors (RTU-3 & 4)
      g. Refrigerant injection variable speed compressors and electronic expansion valves (RTU-2)
      h. Reversing valves
      i. Air-cooled condenser coils and condenser fans
      j. Reheat coil
      k. Electric heaters (RTU-2)
      l. Exhaust fans
      m. Energy recovery wheels
      n. Unit Controls
   2. Unit shall be factory assembled and tested including leak testing of the DX coils, pressure testing of the refrigeration circuit, and run testing of the completed unit. Run test report shall be supplied with the unit in the service compartment’s literature pocket.

3. Unit shall have decals and tags to indicate lifting and rigging, service areas and caution areas for safety and to assist service personnel.
4. Unit components shall be labeled, including refrigeration system components and electrical and controls components.
5. Estimated sound power levels (dB) shall be shown on the unit ratings sheet.
6. Installation, Operation, and Maintenance manual shall be supplied within the unit.
7. Laminated color-coded wiring diagram shall match factory installed wiring and shall be affixed to the interior of the control compartment's hinged access door.
8. Unit nameplate shall be provided in two locations on the unit, affixed to the exterior of the unit and affixed to the interior of the control compartment's hinged access door.

B. Construction
1. All cabinet walls, access doors, and roof shall be fabricated of double wall, impact resistant, rigid polyurethane foam panels.
2. Unit insulation shall have a minimum thermal resistance R-value of 16. Foam insulation shall have a minimum density of 2 pounds/cubic foot and shall be tested in accordance with ASTM D1929-11 for a minimum flash ignition temperature of 610°F.
3. Unit construction shall be double wall with G90 galvanized steel on both sides and a thermal break. Double wall construction with a thermal break prevents moisture accumulation on the insulation, provides a cleanable interior, reduces heat transfer through the panel, and prevents exterior condensation on the panel.
4. Unit shall be designed to reduce air leakage and infiltration through the cabinet. Cabinet leakage shall not exceed 1% of total airflow when tested at 3 times the minimum external static pressure provided in AHRI Standard 340/360. Panel deflection shall not exceed L/240 ratio at 125% of design static pressure, at a maximum 8 inches of positive or negative static pressure, to reduce air leakage. Deflection shall be measured at the midpoint of the panel height and width. Continuous sealing shall be included between panels and between access doors and openings to reduce air leakage. Piping and electrical conduit through cabinet panels shall include sealing to reduce air leakage.
5. Roof of the air tunnel shall be sloped to provide complete drainage. Cabinet shall have rain break overhangs above access doors.
6. Access to filters, dampers, cooling coils, reheat coil, heaters, energy recovery wheels, compressors, and electrical and controls components shall be through hinged access doors with quarter turn, zinc cast, lockable handles. Full length stainless steel piano hinges shall be included on the doors.
7. Exterior paint finish shall be capable of withstanding at least 2,500 hours, with no visible corrosive effects, when tested in a salt spray and fog atmosphere in accordance with ASTM B117-95 test procedure.
8. Units with cooling coils shall include double sloped 304 stainless steel drain pans.
9. Unit shall be provided with bottom discharge and bottom return air openings. Openings shall have upturned flanges of at least 1/2 inch in height around the opening.
10. Unit shall include lifting lugs on the top of the unit.
11. Unit shall include factory wired control panel compartment LED service lights.
12. Unit shall include factory installed, painted galvanized steel condenser coil guards on the face of the condenser coil.

C. Electrical
1. Unit shall be provided with factory installed and factory wired, non-fused disconnect switch.
2. Unit shall have a 10 kAIC SCCR.

3. Air-source heat pump shall include an optimized start defrost cycle to prevent frost accumulation on the outdoor coil during heat pump heating operation and to minimized defrost cycle energy usage. If the temperature of the outdoor heat exchanger and/or the suction line is less than a predetermined value, a deferred defrost cycle is initiated wherein the defrost cycle starts after a variable, continuously optimizing, time interval has elapsed. The defrost cycle is terminated when the relative temperatures of the outdoor heat exchanger and/or the suction line indicate that sufficient frost is melted from the heat exchanger to insure adequate time between successive defrost cycles for optimizing the efficiency and reliability of the system, or after a predetermined time interval has elapsed, whichever condition occurs first. During defrost cycle all compressors shall energize, reversing valves shall de-energize, and auxiliary heat shall energize.
4. Unit shall be provided with a factory installed and factory wired 115V, 12 amp GFI outlet disconnect switch in the unit control panel.
5. Unit shall be provided with phase and brown out protection which shuts down all motors in the unit if the electrical phases are more than 10% out of balance on voltage, the voltage is more than 10% under design voltage or on phase reversal.
6. Unit shall be provided with manual reset low temperature limit controls that must be field wired in the supply air ductwork, which shut off the unit when the discharge temperature reached a field adjustable setpoint.

D. Supply Fans
1. Unit shall include direct drive, unhoused, backward curved, plenum supply fans.
2. Blowers and motors shall be dynamically balance and mounted on rubber isolators.
3. Motors shall be premium efficiency ODP with ball bearings rated for 200,000 hours service with external lubrication points.
4. Variable frequency drives shall be factory wired and mounted in the unit. Fan motors shall be premium efficiency.

E. Exhaust Fans
1. Exhaust dampers shall be sized for 100% relief.
2. Fans and motors shall be dynamically balanced.
3. Unit shall include barometric relief dampers.
4. Motors shall be premium efficiency ODP with ball bearings rated for 200,000 hours service with external lubrication points.
5. Access to exhaust fans shall be through double wall, hinged access doors with quarter turn lockable handles.
6. Unit shall include belt driven, unhoused, backward curved, plenum exhaust fans.
7. Variable frequency drives shall be factory wired and mounted in the unit. Fan motors shall be premium efficiency.

F. Cooling Coils
1. Evaporator Coils
   a. Coils shall be designed for use with R-454B refrigerant and constructed of copper tubes with aluminum fins mechanically bonded to the tubes and galvanized steel end casings. Fin design shall be sine wave rippled.
   b. Coils shall be 6 row high capacity.
   c. Coils shall have interlaced circuitry and shall be 6 row high capacity.
   d. Coils shall be hydrogen or helium leak tested.
   e. Coils shall be furnished with factory installed expansion valves.

G. Refrigeration System
1. Unit shall be factory charged with R-454B refrigerant.
2. Compressors shall be scroll type with thermal overload protection and carry a 5 year non-prorated warranty, from the date of original equipment shipment from the factory.
3. Compressors shall be mounted in an isolated service compartment which can be accessed without affecting unit operation. Lockable hinged compressor access doors shall be fabricated of double wall, rigid polyurethane foam injected panels to prevent the transmission of noise outside the cabinet.

4. Compressors shall be isolated from the base pan with the compressor manufacturer's recommended rubber vibration isolators, to reduce any transmission of noise from the compressors into the building area.
5. Each refrigeration circuit shall be equipped with expansion valve type refrigerant flow control.
6. Each refrigeration circuit shall be equipped with automatic reset low pressure and manual reset high pressure refrigerant safety controls, Schrader type service fittings on both the high pressure and low pressure sides and a factory installed liquid line filter driers.
7. Unit shall include a VFD controlled, variable speed scroll compressor on the refrigeration circuit which shall be capable of modulating refrigerant capacity.
8. Unit shall include refrigerant injection compressors that can produce up to 100% capacity at 17°F ambient in heat pump heating mode. Heat pump shall be capable of operating in heating mode down to -20°F ambient. The unit shall include factory installed controls to intelligently switch modes and monitor compressor operation.
9. Lag refrigeration circuit shall be provided with hot gas reheat coil, modulating valves, electronic controller, supply air temperature sensor and a control signal terminal which allow the unit to have a dehumidification mode of operation, which includes supply air temperature control to prevent supply air temperature swings and overcooling of the space.
10. Reheat coil shall be multi-pass and fabricated from aluminum microchannel tubes.
11. Unit shall be configured as an air-source heat pump. Refrigeration circuit shall be equipped with a factory installed liquid line filter drier with check valve, reversing valve, accumulator, refrigerant economizer and expansion valves on both the indoor and outdoor coils. Reversing valve shall energize during the heat pump cooling mode of operation.
12. The factory installed controls shall include a 3 minute off delay timer to prevent compressor short cycling. The controls shall also include an adjustable, 20 second delay timer for each additional capacity stage to prevent multiple capacity stages from starting simultaneously and an adjustable compressor lock out.

H. Condensers
   1. Air-Cooled Condenser
      a. Condenser fans shall be a vertical discharge, axial flow, direct drive fans.
      b. Heat pump outdoor coil shall be constructed of copper tubes with aluminum fins mechanically bonded to the tubes and aluminum end casings. Fin design shall be sine wave rippled.
      c. Coils shall be designed for a minimum of 10°F of refrigerant sub-cooling.
      d. Coils shall be hydrogen or helium leak tested.
      e. Condenser fans shall be high efficiency electrically commutated motor driven with factory installed head pressure control module. Condenser airflow shall continuously modulate based on head pressure and cooling operation shall be allowed down to 35°F with adjustable compressor lockout.

I. Electric Heating (RTU-2)
   1. Unit shall include an electric heater consisting of electric heating coils, fuses and a high temperature limit switch, with capacities as shown on the plans.
   2. Electric heating coils shall be located in the reheat position downstream of the cooling coil.
   3. Electric heater shall have full modulation capacity controlled by an SCR (Silicon Controlled Rectifier). A 0-10 VDC heating control signal shall be factory provided to control the amount of heating.

J. Filters
   1. Unit shall include 4 inch thick, pleated panel filters with an ASHRAE MERV rating of 13, upstream of the cooling coil. Unit shall also include 2 inch thick, pleated panel pre filters with an ASHRAE MERV rating of 8, upstream of the 4 inch standard filters.
   2. Unit shall include 1 inch aluminum mesh pre filters upstream of the outside air opening.
   3. Unit shall include a clogged filter switch for the unit filters and the outside air energy recovery filters.
   4. Unit shall include a magnehelic gauge for the unit filters.
   5. Magnehelic gauges shall be mounted in the controls compartment.

K. Outside Air/Economizer
   1. Unit shall include 0-100% economizer consisting of a motor operated outside air damper and return air damper assembly constructed of extruded aluminum, hollow core, airfoil blades with rubber edge seals and aluminum end seals. Damper blades shall be gear driven and designed to have no more than 20 cfm of leakage per sq ft. at 4 inch. w.g. air pressure differential across the damper. Low leakage dampers shall be Class 2 AMCA certified, in accordance with AMCA Standard 511. Unit shall include outside air opening bird screen and outside air hood. Unit, except for horizontal series, shall also include barometric relief dampers.
      a. Damper assembly shall be controlled by spring return 2 position actuator.

L. Energy Recovery
   1. Unit shall contain a factory mounted and tested energy recovery wheel(s). The energy recovery wheel(s) shall be mounted in a rigid frame containing the wheel drive motor, drive belt, wheel seals and bearings.
   2. Wheel frame shall slide out for service and removal from the cabinet.
   3. The energy recovery component shall incorporate a rotary wheel in an insulated cassette frame complete with seals, drive motor and drive belt.
   4. The energy recovery cassette shall be an Underwriters Laboratories Recognized Component for electrical and fire safety. The wheel drive motor shall be an Underwriters Laboratory Recognized Component and shall be mounted in the cassette frame and supplied with a service connector or junction box. Thermal performance shall be certified by the manufacturer in accordance with ASHRAE Standard 84, Method of Testing Air-to-Air Heat Exchangers and AHRI Standard 1060, Rating Air-to-Air Energy Recovery Ventilation Equipment. Cassettes shall be listed in the AHRI Certified Products.
   5. Energy recovery wheel cassette shall carry a 5 year non-prorated warranty, from the date of original equipment shipment from the factory. The first 12 months from the date of equipment startup, or 18 months from the date of original equipment shipment from the factory, whichever is less, shall be covered under the standard AAON limited parts warranty. The remaining period of the warranty shall be covered by Airxchange. The 5 year warranty applies to all parts and components of the cassette, with the exception of the motor, which shall carry an 18 month warranty. Warranty shall cover material and workmanship that prove defective, within the specified warranty period, provided the Airxchange written instructions for Installation, Operation, and Maintenance have been followed. Warranty excludes parts associated with routine maintenance, such as belts. Refer to the Airxchange Energy Recovery Cassette Limited Warranty Certificate.
   6. Unit shall include 2 inch thick, pleated panel outside air filters with an ASHRAE MERV rating of 8, upstream of the wheels.
   7. Hinged service access doors shall allow access to the wheel(s).
   8. Unit shall include energy recovery wheel defrost control which includes an adjustable temperature sensor and timer wired to periodically stop the wheel rotation, which allows the warm exhaust air to defrost the wheel.
   9. Polymer Energy Recovery Wheels
      a. Shall be provided with removable energy transfer segments. Cassette frame and structural components shall be constructed of G90 galvanized steel for corrosion resistance. Wheel structure shall consist of a welded hub, spoke and continuous rolled rim assembly of stainless steel, and shall be self-supporting without energy transfer segments in place. Segments shall be removable without the use of tools to facilitate maintenance and cleaning. Wheel bearings shall be selected to provide an L-10 life in excess of 400,000 hours. Rim shall be continuous rolled stainless steel and the wheel shall be connected to the shaft by means of taper locks.
      b. All diameter and perimeter seals shall be provided as part of the cassette assembly and shall be factory set. Drive belts of stretch urethane shall be provided for wheel rim drive.

c. Polymer Energy recovery wheel cassette shall carry a 5 year non-prorated warranty, from the date of original equipment shipment from the factory. The first 12 months from the date of equipment startup, or 18 months from the date of original equipment shipment from the factory, whichever is less, shall be covered under the standard AAON limited parts warranty. The remaining period of the warranty shall be covered by Airxchange. The 5-year warranty applies to all parts and components of the cassette, with the exception of the motor, which shall carry an 18 month warranty. Warranty shall cover material and workmanship that prove defective, within the specified warranty period, provided the Airxchange written instructions for installation, operation and maintenance have been followed. Warranty excludes parts associated with routine maintenance, such as belts. Refer to the Airxchange Energy Recovery Cassette Limited Warranty Certificate.

d. Total energy recovery wheels shall be coated with silica gel desiccant permanently bonded by a process without the use of binders or adhesives, which may degrade desiccant performance. The substrate shall be lightweight polymer and shall not degrade nor require additional coatings for application in marine or coastal environments. Coated segments shall be washable with detergent or alkaline coil cleaner and water. Desiccant shall not dissolve nor deliquesce in the presence of water or high humidity.

M. Controls

1. Factory Installed and Factory Provided Controller
   a. Unit controller shall be capable of controlling all features and options of the unit. Controller shall be factory installed in the unit controls compartment and factory tested. Controller shall be capable of stand alone operation with unit configuration, setpoint adjustment, sensor status viewing, unit alarm viewing, and occupancy scheduling available without dependence on a building management system.
   b. Controller shall have an onboard clock and calendar functions that allow for occupancy scheduling.
   c. Controller shall include non-volatile memory to retain all programmed values without the use of a battery, in the event of a power failure.
   d. Variable Air Volume Controller (RTU-3 & 4)
      1) Unit shall utilize a variable capacity compressor system and a variable speed supply fan system to modulate cooling and airflow as required to meet space temperature cooling loads and to save operating energy. Supply fan speed shall modulate based on supply air duct static pressure. Cooling capacity shall modulate based on supply air temperature.
         (a) With modulating hot gas reheat, unit shall modulate cooling and hot gas reheat as efficiently as possible, to meet space humidity loads and prevent supply air temperature swings and overcooling of the space.
   e. Makeup Air Controller or Constant Volume Controller (RTU-2)
      1) Unit shall modulate cooling with constant airflow to meet ventilation outside air loads. Cooling capacity shall modulate based on supply air temperature.
      2) With modulating hot gas reheat, unit shall modulate cooling and hot gas reheat as efficiently as possible, to meet outside air humidity loads and prevent supply air temperature swings and overcooling of the space.
      3) Unit shall modulate heating with constant airflow to meet outside temperature heating loads. Modulating heating capacity shall modulate based on supply air temperature.
   f. Unit configuration, setpoint adjustment, sensor status viewing, unit alarm viewing, and occupancy schedule shall be accomplished through the onboard unit manager touchscreen display or connection with PC running the license free Stratus Workstation. Controller shall support BACnet communication for third party integration into BACnet networks.

N. Accessories

1. Unit shall be provided with a safety shutdown terminal block for field installation of a smoke detector which shuts off the unit's control circuit.

2.3 CURBS

A. Curbs shall to be fully gasketed between the curb top and unit bottom with the curb providing full perimeter support, cross structure support and air seal for the unit. Curb gasket shall be furnished within the control compartment of the rooftop unit to be mounted on the curb immediately before mounting of the rooftop unit.

B. 18” H Solid bottom curb shall be factory assembled and fully lined with curb rated 1 inch fiberglass insulation and include a wood nailer strip.

PART 3 - EXECUTION

3.1 INSTALLATION, OPERATION, AND MAINTENANCE

A. Installation, Operation, and Maintenance manual shall be supplied with the unit.

B. Installing contractor shall install unit, including field installed components, in accordance with Installation, Operation, and Maintenance manual instructions.

C. Start up and maintenance requirements shall be complied with to ensure safe and correct operation of the unit.

D. Provide service and maintenance of packaged roof top units for one year year from Date of Substantial Completion.

E. Provide routine maintenance service with a two month interval as maximum time period between calls.

F. Include maintenance items as outlined in manufacturer's operating and maintenance data, including minimum of six filter replacements, minimum of one fan belt replacement, and controls check-out, adjustments, and recalibration.

END OF SECTION

SECTION 08 44 13
GLAZED ALUMINUM CURTAIN WALLS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Aluminum-framed curtain wall, with vision glazing.

1.2 RELATED REQUIREMENTS

A. Section 05 12 00 - Structural Steel Framing: Steel attachment members.

B. Section 07 25 00 - Weather Barriers: Sealing framing to water-resistive barrier installed on adjacent construction.

C. Section 07 84 00 - Firestopping: Firestop at system junction with structure.

D. Section 08 80 00 - Glazing.

1.3 REFERENCE STANDARDS

A. AAMA 501.2 - Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtain Walls, and Sloped Glazing Systems; 2025.

B. AAMA 503 - Voluntary Specification for Field Testing of Newly Installed Storefronts, Curtain Walls and Sloped Glazing Systems; 2014.

C. AAMA 1503 - Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections; 2009.

D. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2022.

E. AAMA CW-10 - Care and Handling of Architectural Aluminum from Shop to Site; 2015.

F. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; Most Recent Edition Cited by Referring Code or Reference Standard.

G. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2019.

H. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2024.

I. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2021.

J. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric); 2021.

K. ASTM E283/E283M - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen; 2019.

L. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference; 2000 (Reapproved 2023).

M. ASTM E1105 - Standard Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Skylights, Doors, and Curtain Walls, by Uniform or Cyclic Static Air Pressure Difference; 2015 (Reapproved 2023).

N. SSPC-Paint 20 - Zinc-Rich Coating (Type I - Inorganic, and Type II - Organic); 2019.

1.4 ADMINISTRATIVE REQUIREMENTS

A. Coordinate with installation of other components that comprise the exterior enclosure.

B. Preinstallation Meeting: Conduct a preinstallation meeting one week before starting work of this section; require attendance by all affected installers.

1.5 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for submittal procedures.

B. Product Data: Provide component dimensions, describe components within assembly, anchorage and fasteners, internal drainage details, glazing, and infill.

C. Shop Drawings: Indicate system dimensions, framed opening requirements and tolerances, affected related Work, expansion and contraction joint location and details, and field welding required.

D. Samples: Submit two samples 12 by 12 inches in size illustrating finished aluminum surface, glazing, and glazing materials.

E. Manufacturer's Certificate: Certify that the products supplied meet or exceed the specified requirements.

F. Design Data: Provide framing member structural and physical characteristics and engineering calculations, and identify dimensional limitations; include load calculations at points of attachment to building structure.

G. Structural Engineering Calculations: Submit structural engineer’s calculations for design of system to meet loading requirements.
   1. Structural calculations are to be stamped with engineer’s stamp and signed.

H. Test Reports: Indicate substantiating engineering data, test results of previous tests [by independent laboratory] which purport to meet performance criteria, and other supportive data.

I. Field Quality Control Submittals: Report of field testing for water penetration and air leakage.

J. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

K. Submit NFRC 100- CMA Bid Report for the project showing compliance with the project thermal requirements at time of initial submission. Bid report shall be based on NFRC test sizes utilizing project specific glazing.

1.6 QUALITY ASSURANCE

A. Designer Qualifications: Design curtain wall and its structural support framing components under direct supervision of a Professional Structural Engineer experienced in design of this work and licensed at the State of New York.

B. Perform Work in accordance with AAMA CW-DG-1 - Aluminum Curtain Wall Design Guide Manual.

C. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with not less than 10 years of documented experience.
   1. Provide certified glass products through ANSI accredited certifications that include plant audits and independent laboratory performance testing.

a. Insulating Glass Certification Council (IGCC).
b. Safety Glazing Certification Council (SGCC).

D. Installer Qualifications: Company specializing in performing work of type specified and with at least three years of documented experience.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Handle products of this section in accordance with AAMA CW-10.

B. Protect finished aluminum surfaces with wrapping. Do not use adhesive papers or sprayed coatings that bond to aluminum when exposed to sunlight or weather.

1.8 FIELD CONDITIONS

A. Section 01 60 00 - Product Requirements.

B. Do not install sealants when ambient temperature is less than 40 degrees F. Maintain this minimum temperature during and 48 hours after installation.

1.9 WARRANTY

A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

B. Manufacturer Warranty: Provide 5-year manufacturer warranty against failure of glass seal on insulating glass units, including interpane dusting or misting. Include provision for replacement of failed units. Complete forms in Owner's name and register with installer.

C. Finish Warranty: Provide 20 manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking. Complete forms in Owner's name and register with warrantor.

D. Glass and Glazing is to be warranted for ten years against leakage, seal failure and interpane dusting or misting. Warranty is to include labor and material costs.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Basis of Design: EFCO; Product 5600 - XTherm Duracast Series - Outside Glazed.

B. Glazed Aluminum Curtain Walls Manufacturers:
1. Kawneer North America: www.kawneer.com/#sle.
2. Oldcastle Building Envelope: www.oldcastlebe.com/#sle.
3. Tubelite, Inc: www.tubeliteinc.com/#sle.

2.2 CURTAIN WALL

A. Aluminum-Framed Curtain Wall: Factory fabricated, factory finished aluminum framing members with infill, and related flashings, anchorage and attachment devices.
1. Vertical Mullion Face Width: 2-1/2 inches.
2. Vertical Mullion Depth From Face of Glazing to Back of Frame: 6 inches.
3. Finish: Superior performing organic coatings.
a. Factory finish surfaces that will be exposed in completed assemblies.
b. Touch-up surfaces cut during fabrication so that no natural aluminum is visible in completed assemblies, including joint edges.
c. Coat concealed metal surfaces that will be in contact with cementitious materials or dissimilar metals with bituminous paint.

4. Provide flush joints and corners, weathersealed, accurately fitted and secured; prepared to receive anchors; fasteners and attachments concealed from view; reinforced as required for imposed loads.
5. Construction: Eliminate noises caused by wind and thermal movement, prevent vibration harmonics, and prevent "stack effect" in internal spaces.
6. System Internal Drainage: Drain to the exterior by means of a weep drainage network any water entering joints, condensation occurring in glazing channel, and migrating moisture occurring within system.
7. Maintain continuous air barrier and/or vapor retarder seal throughout assembly, primarily in line with inside pane of glazing and heel bead of glazing compound.

B. Structural Performance Requirements: Design and size components to withstand the following load requirements without damage or permanent set.
1. Design Wind Loads: Comply with the requirements of ASCE 7
   a. Member Deflection: For spans less than 13 feet 6 inches, limit member deflection to flexure limit of glass in any direction, and maximum of 1/175 of span or 3/4 inch, whichever is less and with full recovery of glazing materials.
   b. Member Deflection: For spans over 13 feet 6 inches and less than 40 feet, limit member deflection to flexure limit of glass in any direction, and maximum of 1/240 of span plus 1/4 inch, with full recovery of glazing materials.
2. Seismic Loads: Design and size components to withstand seismic loads and sway displacement in accordance with requirements of ASCE 7.
3. Movement: Accommodate the following movement without damage to components or deterioration of seals:
   a. Expansion and contraction caused by 180 degrees F surface temperature.
   b. Expansion and contraction caused by cycling temperature range of 170 degrees F over a 12 hour period.
   c. Movement of curtain wall relative to perimeter framing.
   d. Deflection of structural support framing, under permanent and dynamic loads.

C. Water Penetration Resistance on Manufactured Assembly: No uncontrolled water on indoor face when tested as follows:
1. Test Pressure Differential: 20 psf.
2. Test Method: ASTM E331.

D. Air Leakage: 0.06 cfm/sq ft maximum leakage of wall area when tested in accordance with ASTM E283/E283M at 6.24 psf pressure difference across assembly.

E. Thermal Performance Requirements: Installed system shall conform to the following minimum standards:
1. Condensation Resistance Factor of Framing: 66, minimum, measured in accordance with AAMA 1503.
2. Overall U-value including Glazing: 0.32 Btu/(hr sq ft deg F), maximum.
3. SHGC: 0.40
4. Inside air temperature of 72 degrees F at 30 percent RH and an outside air temperature of -10 degrees F with a 15 mph wind speed.
5. An NFRC Component Modeling Approach (CMA) generated label certificate shall be provided by the manufacturer. The label certificate shall be project specific and will contain the thermal performance ratings of the manufacturer’s framing combined with the specified glass, and the glass spacer used in the fabrication of the glass, at NFRC standard test size as defined in table 4-3 in NFRC 100-2010.

2.3 COMPONENTS

A. Aluminum Framing Members: Tubular aluminum sections, thermally broken with interior section insulated from exterior, drainage holes and internal weep drainage system.
1. Structurally Reinforced Members: Extruded aluminum with internal reinforcement of structural steel member.

B. Glazing: See Section 08 80 00.

2.4 MATERIALS

A. Extruded Aluminum: ASTM B221 (ASTM B221M).

B. Structural Steel Sections: ASTM A36/A36M; galvanized in accordance with requirements of ASTM A123/A123M.

C. Fasteners: Stainless steel; type as required or recommended by curtain wall manufacturer.

D. Firestopping: See Section 07 84 00.

E. Glazing Gaskets: Type to suit application to achieve weather, moisture, and air infiltration requirements.

F. Glazing Accessories: See Section 08 80 00.

G. Touch-Up Primer for Galvanized Steel Surfaces: SSPC-Paint 20, zinc rich.

2.5 FINISHES

A. Superior Performing Organic Coatings System: Manufacturer's standard multi-coat superior performing organic coatings system complying with AAMA 2605, including at least 70 percent polyvinylidene fluoride (PVDF) resin, and at least 80 percent of aluminum extrusion and panels surfaces having minimum total dry film thickness (DFT) of 1.2 mils, 0.0012 inch.

B. Color: To be selected by Architect from manufacturer's full range.

C. Touch-Up Materials: As recommended by coating manufacturer for field application.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify dimensions, tolerances, and method of attachment with other related work.

B. Verify that curtain wall openings and adjoining water-resistive and air barrier seal materials are ready to receive work of this section.

C. Verify that anchorage devices have been properly installed and located.

3.2 INSTALLATION

A. Install curtain wall system in accordance with manufacturer's instructions.

B. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.

C. Provide alignment attachments and shims to permanently fasten system to building structure.

D. Align assembly plumb and level, free of warp or twist. Maintain assembly dimensional tolerances, aligning with adjacent work.

E. Provide thermal isolation where components penetrate or disrupt building insulation.

F. Install sill flashings. Turn up ends and edges; seal to adjacent work to form water tight dam.

G. Install firestopping at each floor slab edge. Comply with applicable codes and requirements specified in Section 07 84 00.

H. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.

I. Coordinate attachment and seal of perimeter air barrier and vapor retarder materials.

J. Touch-up minor damage to factory applied finish; replace components that cannot be satisfactorily repaired.

3.3 TOLERANCES

A. Section 01 40 00 - Quality Requirements: Tolerances.

B. Maximum Variation from Plumb: 0.06 inch per 3 feet noncumulative or 0.5 inches per 100 feet, whichever is less.

C. Maximum Misalignment of Two Adjoining Members Abutting in Plane: 1/32 inch.

D. Sealant Space Between Curtain Wall Mullions and Adjacent Construction: Maximum of 3/4 inch and minimum of 1/4 inch.

3.4 FIELD QUALITY CONTROL

A. Provide services of curtain wall manufacturer's field representative to observe for proper installation of system and submit report.

B. See Section 01 40 00 - Quality Requirements for independent field testing and inspection requirements, and requirements for monitoring quality of specified product installations.

C. Provide field testing of installed curtain wall system by independent laboratory in accordance with AAMA 503 during construction process and before installation of interior finishes.
   1. Perform a minimum of two tests in each designated area as indicated on drawings.
   2. Conduct tests in each area prior to 10 percent and 50 percent completion of this work.
   3. Field test for water penetration in accordance with ASTM E1105 with uniform static air pressure difference (Procedure A) not less than 4.18 psf.
      a. Maximum allowable rate of water penetration in 15-minute test is 0.5 ounce that is not contained in an area with provisions to drain to exterior, or collected on surface of interior horizontal framing member.

D. Repair or replace curtain wall components that have failed designated field testing, and retest to verify performance complies with specified requirements.

3.5 ADJUSTING

A. Adjust operating sash for smooth operation.

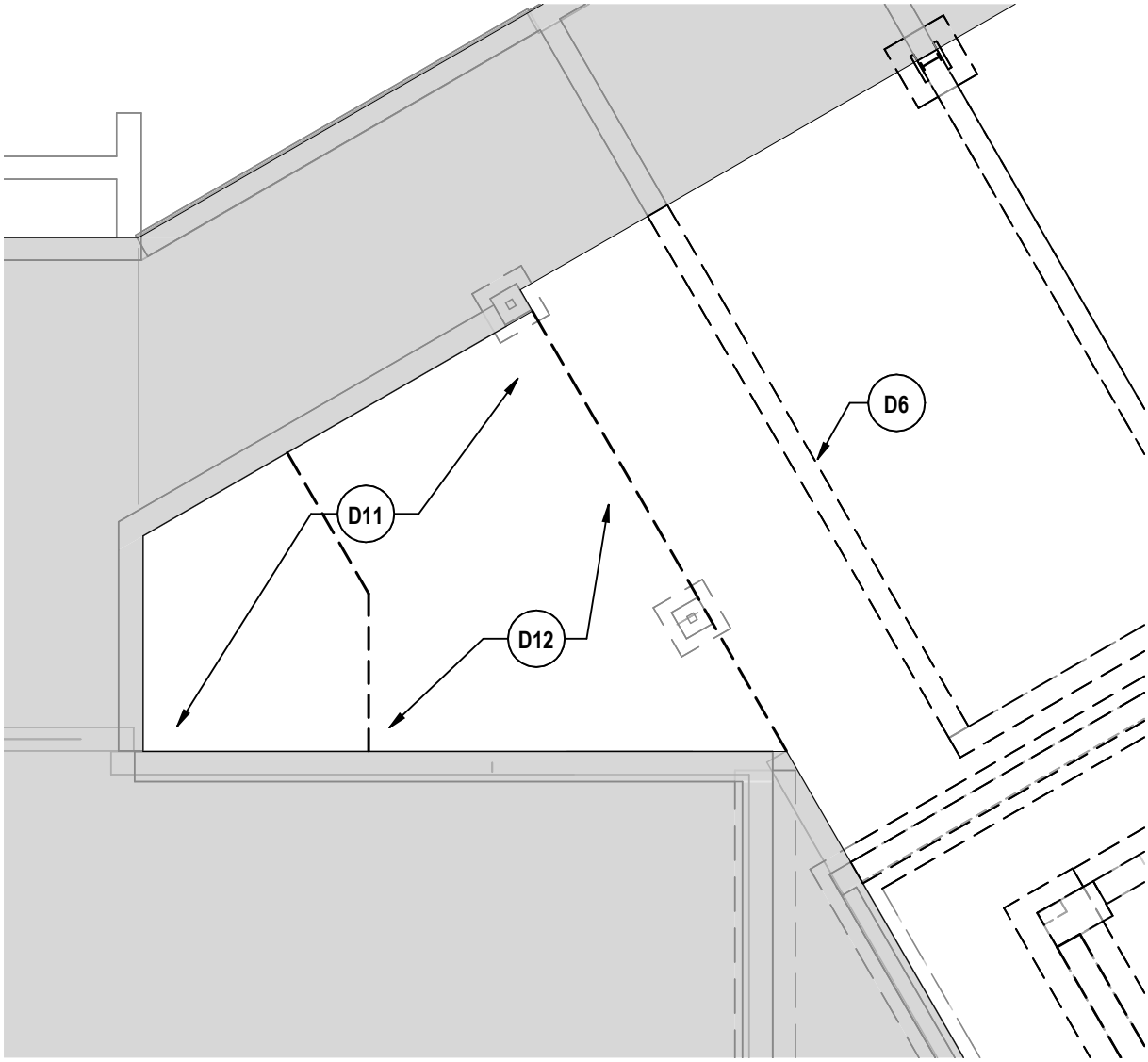
3.6 CLEANING

A. Remove protective material from pre-finished aluminum surfaces.

3.7 PROTECTION

A. Protect installed products from damage until Date of Substantial Completion.

END OF SECTION



1 PARTIAL FOUNDATION DEMO PLAN

1/8" = 1'-0"

ADDITIONAL DEMO NOTES:

D11 DEMO THE EXISTING UPPER SLAB ON GRADE AND REMOVE FILL AS REQUIRED FOR NEW WORK.

D12 DEMO EXISTNG LOWER SLAB ON GRADE TO EXTENTS SHOWN.

-FOR MORE INFORMATION SEE SHEET MC-S0.2

PARTIAL FOUNDATION DEMO PLAN

2025 CAPITAL PROJECT

ALFRED-ALMOND CSD

6795 ROUTE 21 ALMOND, NY 14804

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TOWANDA, PA - WILLIAMSPORT, PA
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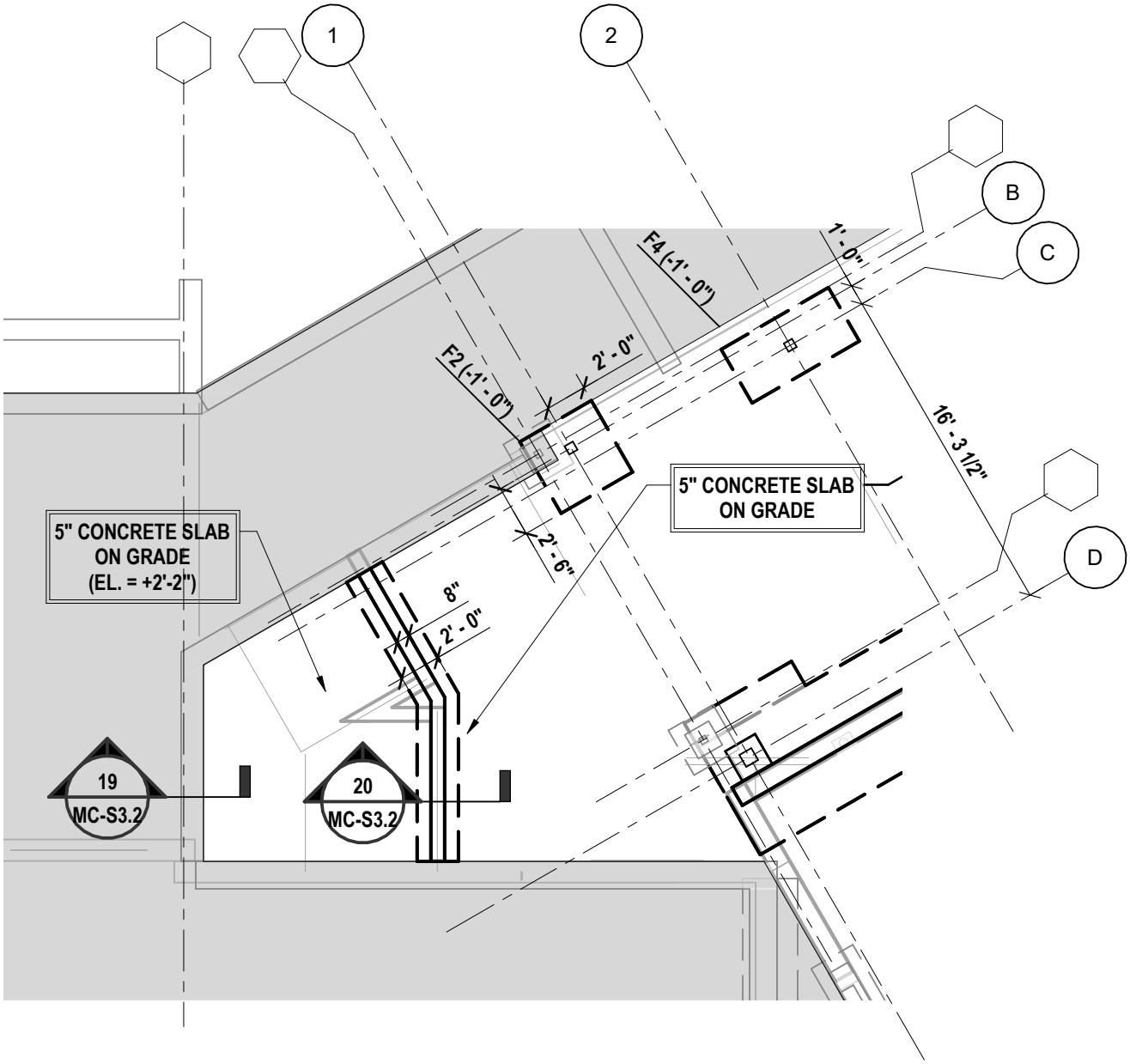
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

AD4-S1

DATE: 07/15/2026

PROJECT NO: 2028-059



1 PARTIAL FIRST FLOOR FRAMING PLAN

1/8" = 1'-0"

-FOR MORE INFORMATION SEE SHEET MC-S1.2

PARTIAL FIRST FLOOR FRAMING PLAN

2025 CAPITAL PROJECT

ALFRED-ALMOND CSD

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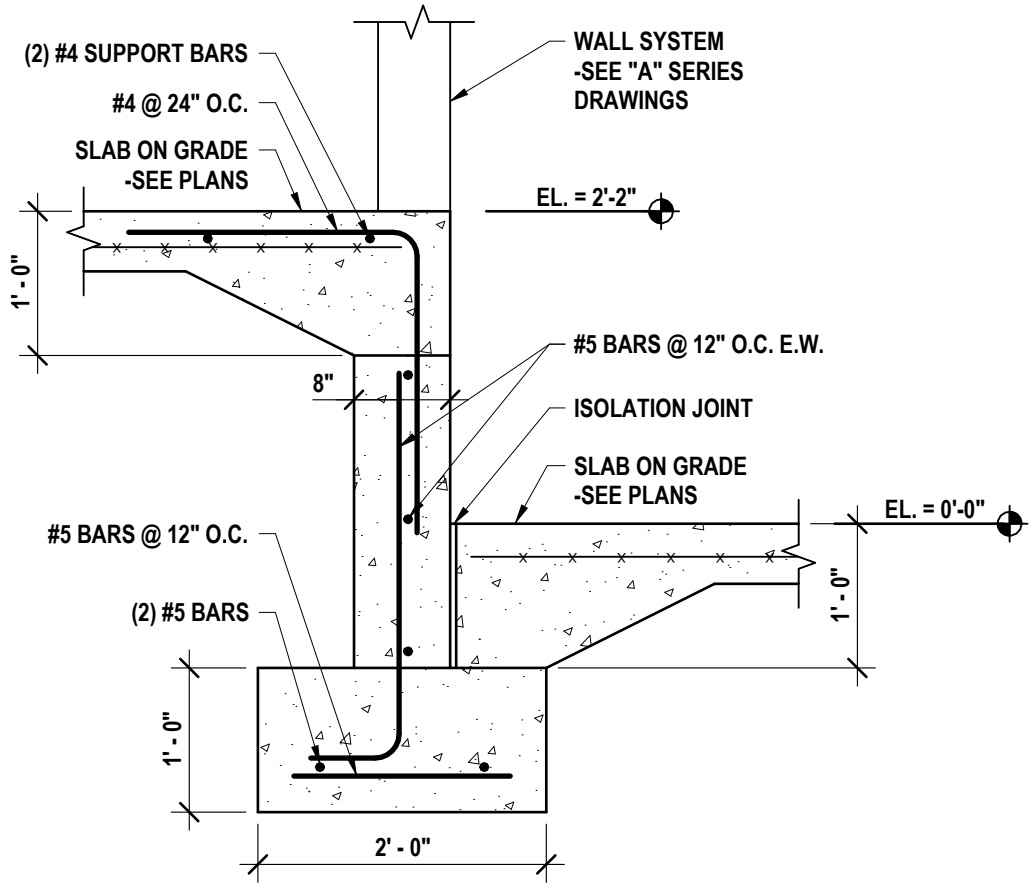
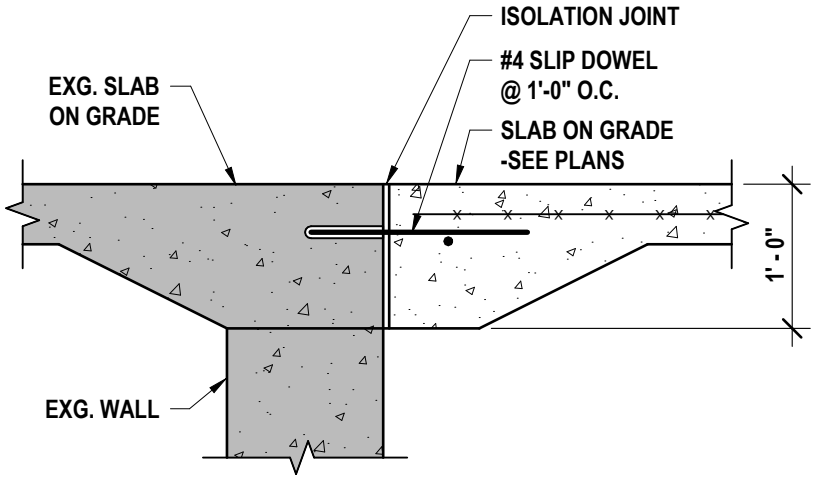


20 INTERIOR RETAINING WALL

3/4" = 1'-0"



19 SLAB AT EXISTING

3/4" = 1'-0"

-ADD DETAILS 19 & 20 TO SHEET MC-S3.2

INTERIOR SLAB DETAILS

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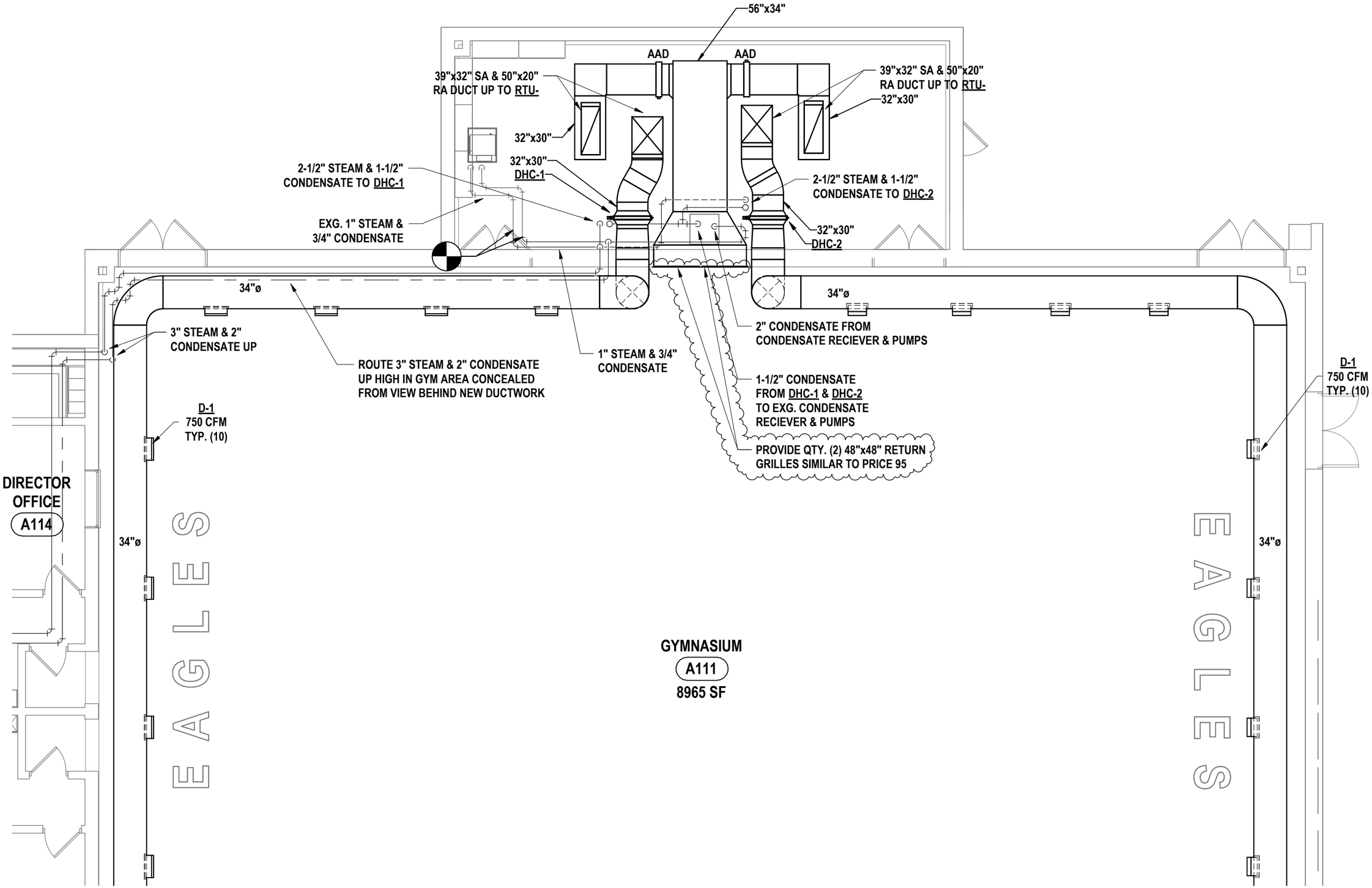

1 **FIRST FLOOR HVAC PLAN - AREA G MODIFICATIONS**
1/8" = 1'-0"

DRAWN BY:	MAC
CHECKED BY:	KEG
DATE:	07/15/26

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GYMNASIUM RETURN GRILLES
2025 CAPITAL PROJECT
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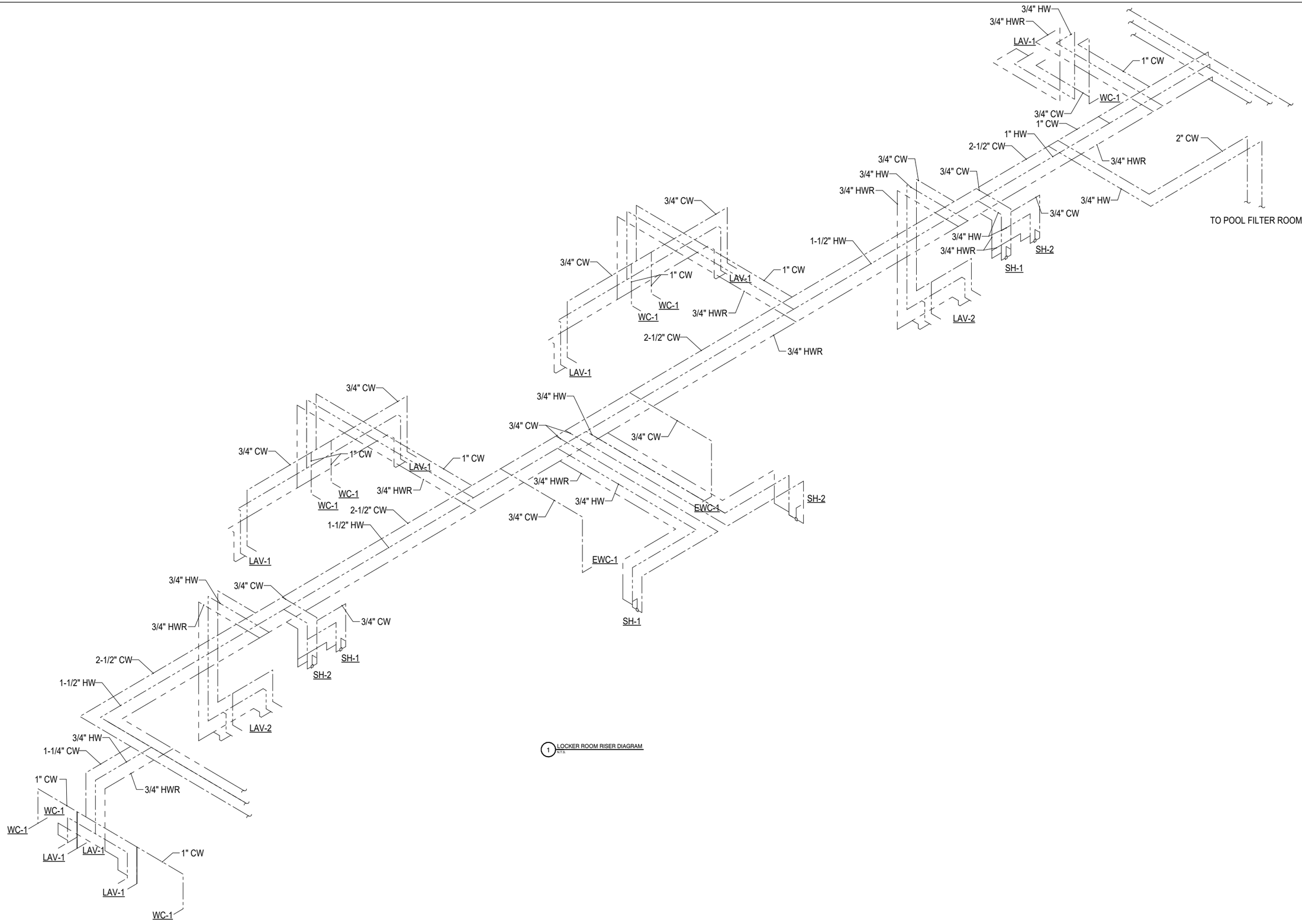
6795 ROUTE 21, ALMOND, NY 14804

AD4-H1

PROJECT NO: 2028-059



1 LOCKER ROOM RISER DIAGRAM
N.T.S.

DRAWN BY:	CJH
CHECKED BY:	JDG
DATE:	04/07/2026

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REVISED LOCKER ROOM RISER DIAGRAM

2025 CAPITAL PROJECT

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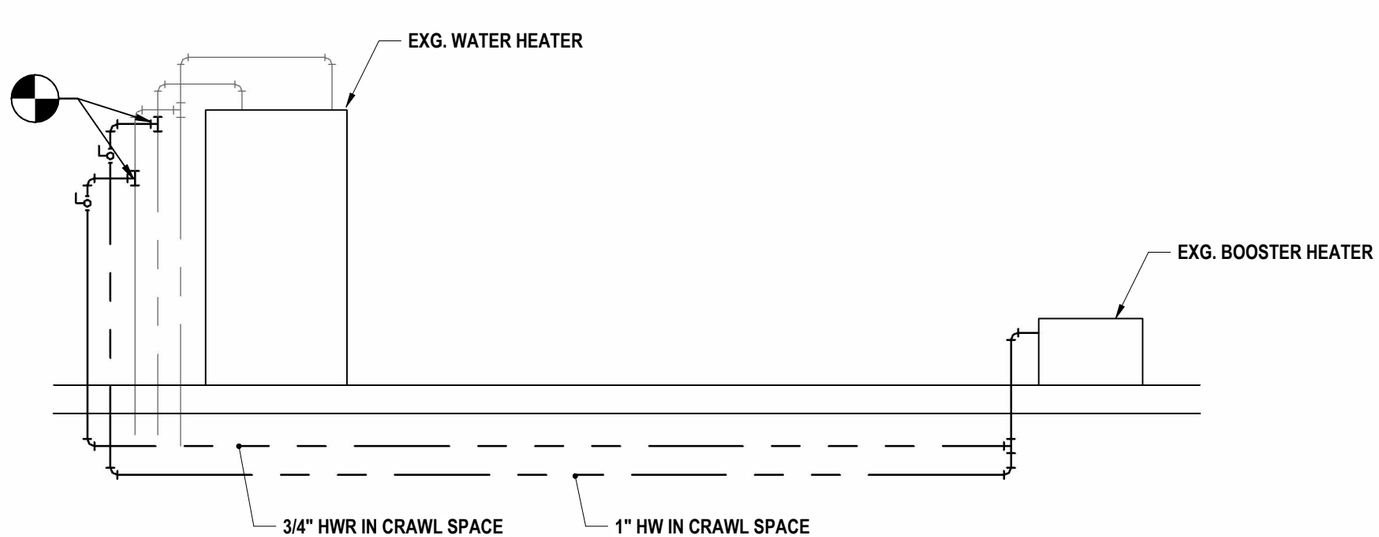
SED# MC: 02-01-01-04-0-001-037

AD4-P1

PROJECT NO: 2028-059



1 **HS CAFETERIA DOMESTIC SCHEMATIC**
1/8" = 1'-0"

DRAWN BY:	CJH
CHECKED BY:	JDG
DATE:	07/16/26

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HS CAFETERIA DOMESTIC SCHEMATIC

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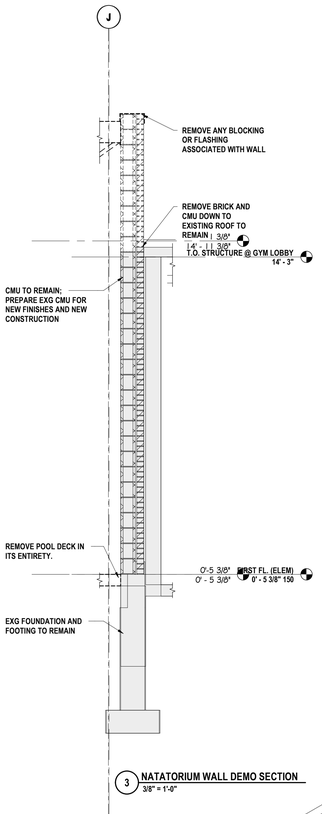
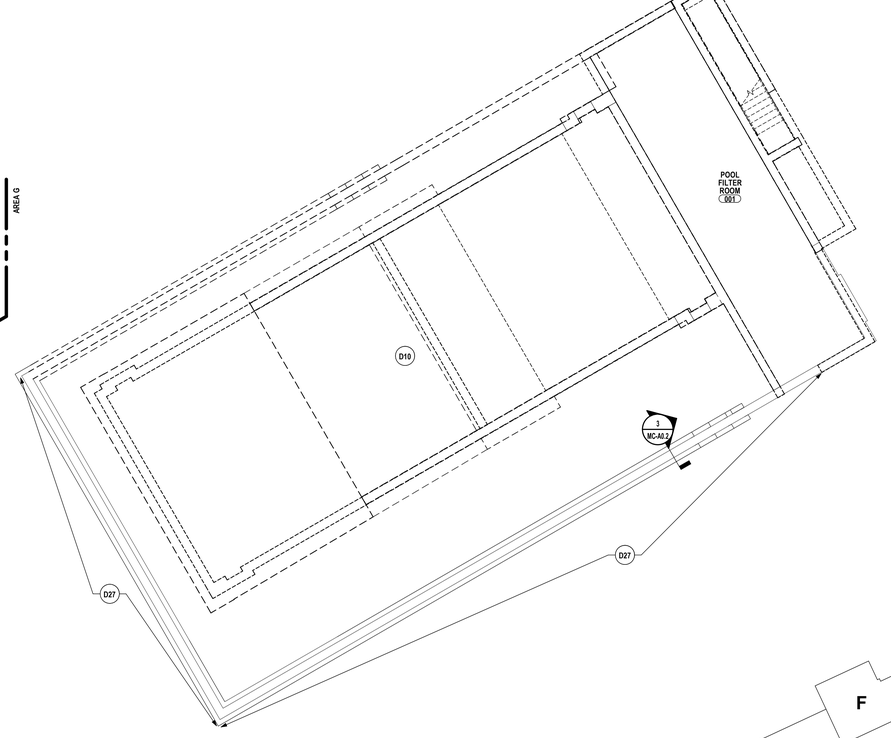
AD4-P2

PROJECT NO: 2028-059



3 **NATATORIUM WALL DEMO SECTION**
3/8" = 1'-0"

2 **FIRST FLOOR DEMO PLAN - AREA D**
1/8" = 1'-0"



1 **POOL FILTER ROOM DEMO PLAN**
1/8" = 1'-0"

GENERAL DEMO NOTES:

REFER TO DRAWING A0.1 FOR GENERAL DEMOLITION PLAN NOTES.

DEMOLITION NOTES:

D1 REMOVE STUD PARTITION COMPLETELY UP TO EXISTING DECK OR STRUCTURE ABOVE TO EXTENTS SHOWN ON PLAN. DEMOLITION TO INCLUDE BASE, DOORS, FRAMES GLAZING AND ALL WALL MOUNTED/RECESSED ACCESSORIES, CASEWORK AND EQUIPMENT.

D2 REMOVE MASONRY PARTITIONS COMPLETELY UP TO EXISTING DECK OR STRUCTURE ABOVE TO EXTENTS SHOWN ON PLAN. DEMOLITION TO INCLUDE BASE, DOORS, FRAMES, GLAZING AND WALL MOUNTED/RECESSED ACCESSORIES, CASEWORK AND EQUIPMENT.

D3 PROVIDE NEW OPENING IN MASONRY WALL FOR NEW PASSAGE, DOOR/WINDOW FRAME, BLOCKING, LINTEL OR STEEL COLUMN. REFER TO LINTEL SCHEDULE FOR SIZE AND TYPE.

D4 REMOVE FLOORING AND SLAB TO EXTENTS OF THE ROOM SO A NEW FLOOR CAN BE CONSTRUCTED TO BE THE SAME ELEVATION AS THE POOL DECK. REFER TO S DRAWINGS FOR ADDITIONAL INFORMATION.

D5 REMOVE DOOR, FRAME, AND HARDWARE IN THEIR ENTIRETY TO EXTENTS SHOWN ON PLAN.

D6 REMOVE TOILET PARTITIONS, ASSOCIATED BRACING, ACCESSORIES AND ALL WALL MOUNTED ITEMS INCLUDING, BUT NOT LIMITED TO MIRRORS, SOAP DISPENSERS, GRAB BARS, ETC. PREPARE FLOOR AND WALL SURFACES FOR NEW FINISHES.

D7 REMOVE LOCKERS, BASE AND ASSOCIATED ACCESSORIES IN THEIR ENTIRETY.

D8 REMOVE CEILING SYSTEMS AND SOFFITS IN THEIR ENTIRETY.

D9 REMOVE ADHERED CEILING TILE, SOFFIT, AND FRAMING SYSTEM IN THEIR ENTIRETY. PREPARE SURFACES FOR NEW FINISHES.

D10 REMOVE ALL BUILDING COMPONENTS AND SYSTEMS INCLUDING BUT NOT LIMITED TO FLOORS, SLABS, WALLS, ROOFING, STRUCTURE, DOORS, WINDOWS, CEILINGS, LOCKERS FINISHES, STAIRS, ETC. REFER TO STRUCTURAL, HVAC AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION ON SYSTEMS DEMOLITION.

D11 REMOVE BUILT-IN CASEWORK/SHELVING UNITS, MARKER/DISPLAY BOARDS, MIRRORS AND WALL MOUNTED ACCESSORIES IN THEIR ENTIRETY. PREPARE SURFACES FOR NEW FINISHES.

D12 REMOVE GYM WALL PADS IN ITS ENTIRETY. PREPARE EXISTING WALL FOR NEW GYM WALL PADS.

D13 REMOVE EXTERIOR MASONRY WALL TO EXTENTS SHOWN ON PLAN. PREPARE EXISTING WALLS, FLOORS, CEILINGS AND ROOF FOR NEW ELEVATOR ADDITION. REFER TO S DRAWINGS FOR ADDITIONAL INFORMAYION

D14 CUT EXISTING CONCRETE FLOOR DECK FLUSH AND PREPARE SURFACES FOR NEW FINISHES AND ADDITIONAL FLOOR DECK. REFER TO S DRAWINGS FOR ADDITIONAL INFORMATION.

D15 REMOVE WOOD TELESCOPING BLEACHERS IN THEIR ENTIRETY. PREPARE AREA FOR NEW TELESCOPING BLEACHERS.

D16 SAW CUT SLAB ON GRADE TO EXTENTS SHOWN TO MAKE ROOM FOR NEW POOL DECK AND STAIRWELL TO POOL FILTER ROOM. REFER TO S DRAWINGS FOR ADDITIONAL INFORMATION.

D17 REMOVE WALL MOUNTED DISPLAY CASES AND TURNOVER TO OWNER. PREPARE WALL SCHEDULED TO REMAIN FOR NEW FINISHES.

D18 REMOVE SERVICE ELEVATOR AND ASSOCIATED COMPONENTS IN ITS ENTIRETY. PREPARE ELEVATOR PIT AND OPENING IN SLAB TO BE INFILLED. REFER TO S DRAWINGS FOR ADDITIONAL INFORMATION.

D19 REMOVE FIRE EXTINGUISHER AND ASSOCIATED CABINET. INFILL WALL TO MATCH EXISTING WHERE NEEDED.

D20 REMOVE BACKSTOP AND ALL ASSOCIATED COMPONENTS IN ITS ENTIRETY.

D21 REMOVE FLOOR AND SLAB IN THEIR ENTIRETY AND PREPARE AREA FOR NEW CONSTRUCTION. REMOVE WITH CARE AS TO NOT DISTURB EXTERIOR WALL TO REMAIN. REFER TO S DRAWINGS FOR ADDITIONAL INFORMATION.

D22 REMOVE CERAMIC FLOOR TILE BASE AND MORTAR BED IN THEIR ENTIRETY. PREPARE EXISTING CONCRETE FLOOR SLAB FOR NEW FINISHES.

D23 REMOVE STEEL GUARDRAIL IN ITS ENTIRETY.

D24 REMOVE ABANDONED MECHANICAL LOUVER AND ASSOCIATED DUCTWORK FROM EXISTING MASONRY WALL.

D25 REMOVE LOWER WOOD MILLWORK ONLY TO EXTENTS NEEDED TO FIT NEW WATER COOLER IN LOCATION SHOWN ON NEW WORK PLAN.

D26 REMOVE GLASS BLOCKS AND COMPONENTS IN THEIR ENTIRETY. REFER TO AB DRAWINGS FOR MORE INFORMATION.

D27 CONCRETE FOUNDATION WALL; PROTECT IN PLACE.

D28 REMOVE BOTH LOWER AND UPPER MILLWORK TO EXTENTS SHOWN.

D29 REMOVE CHAINLINK CAGE IN ITS ENTIRETY TO EXTENTS SHOWN ON PLAN.

D30 METAL STORAGE SHELVING UNITS; PROTECT IN PLACE.

D31 REMOVE GRAY MECHANICAL PIPE HOUSING FROM WALL.

D32 REMOVE THE UPPER AND LOWER SLAB ON GRADE, ALONG WITH THE 2' GRADE IN BETWEEN IN ITS ENTIRETY.

D33 REMOVE FLOORING TO EXTENTS OF THE ROOM SO A NEW FLOOR CAN BE CONSTRUCTED.

D34 REMOVE BUILT-IN CASEWORK TO EXTENTS SHOWN.

D35 REMOVE ALL WALL TILE IN ROOM. PREPARE WALLS TO RECEIVE NEW FINISHES.

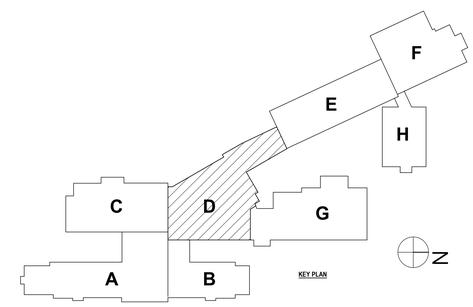
D36 REMOVE WALL TILE TO EXTENTS SHOW. PREPARE WALL TO RECEIVE NEW FINISHES.

D37 REMOVE RECORD BOARD WITH CARE AND TURN OVER TO OWNER.

D38 REMOVE MOP SINK BASIN DOWN TO 1" BELOW FINISH FLOOR.

D39 REMOVE PARTIALLY DEMOLISHED CEILING ABOVE PRIMARY CEILING IN ITS ENTIRETY.

D40 PROVIDE 24" HIGH NEW OPENING BELOW EXISTING OPENING IN MASONRY WALL FOR RETURN GRILLE. WIDTH OF NEW OPENING TO MATCH EXISTING.



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1	06/03/2026	ISSUE FOR BID
2	07/15/2026	ADDENDUM #4

"IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S, ARCHITECT'S OR SURVEYOR'S SEAL."

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WWW.HUNT-EAS.COM 607 - 359 - 1000
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313494-1

FIRST FLOOR DEMO PLAN - AREA D

2025 CAPITAL PROJECT

ALFRED-ALMOND CSD

6795 ROUTE 21 ALMOND, NY 14804

SED #: 02-01-01-04-0-001-037

MC-A0.2

PROJECT NO: 2028-059

GENERAL DEMO NOTES:

REFER TO DRAWING A0.1 FOR GENERAL DEMOLITION PLAN NOTES.

DEMOLITION NOTES:

D1 REMOVE STUD PARTITION COMPLETELY UP TO EXISTING DECK OR STRUCTURE ABOVE TO EXTENTS SHOWN ON PLAN. DEMOLITION TO INCLUDE BASE, DOORS, FRAMES GLAZING AND ALL WALL MOUNTED/RECESSED ACCESSORIES, CASEWORK AND EQUIPMENT.

D2 REMOVE MASONRY PARTITIONS COMPLETELY UP TO EXISTING DECK OR STRUCTURE ABOVE TO EXTENTS SHOWN ON PLAN. DEMOLITION TO INCLUDE BASE, DOORS, FRAMES, GLAZING AND WALL MOUNTED/RECESSED ACCESSORIES, CASEWORK AND EQUIPMENT.

D3 PROVIDE NEW OPENING IN MASONRY WALL FOR NEW PASSAGE, DOOR/WINDOW FRAME, BLOCKING, LINTEL OR STEEL COLUMN. REFER TO LINTEL SCHEDULE FOR SIZE AND TYPE.

D4 REMOVE FLOORING AND SLAB TO EXTENTS OF THE ROOM SO A NEW FLOOR CAN BE CONSTRUCTED TO BE THE SAME ELEVATION AS THE POOL DECK. REFER TO S DRAWINGS FOR ADDITIONAL INFORMATION.

D5 REMOVE DOOR, FRAME, AND HARDWARE IN THEIR ENTIRETY TO EXTENTS SHOWN ON PLAN.

D6 REMOVE TOILET PARTITIONS, ASSOCIATED BRACING, ACCESSORIES AND ALL WALL MOUNTED ITEMS INCLUDING, BUT NOT LIMITED TO MIRRORS, SOAP DISPENSERS, GRAB BARS, ETC. PREPARE FLOOR AND WALL SURFACES FOR NEW FINISHES.

D7 REMOVE LOCKERS, BASE AND ASSOCIATED ACCESSORIES IN THEIR ENTIRETY.

D8 REMOVE CEILING SYSTEMS AND SOFFITS IN THEIR ENTIRETY.

D9 REMOVE ADHERED CEILING TILE, SOFFIT, AND FRAMING SYSTEM IN THEIR ENTIRETY. PREPARE SURFACES FOR NEW FINISHES.

D10 REMOVE ALL BUILDING COMPONENTS AND SYSTEMS INCLUDING BUT NOT LIMITED TO FLOORS, SLABS, WALLS, ROOFING, STRUCTURE, DOORS, WINDOWS, CEILINGS, LOCKERS FINISHES, STAIRS, ETC. REFER TO STRUCTURAL, HVAC AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION ON SYSTEMS DEMOLITION.

D11 REMOVE BUILT-IN CASEWORK/SHELVING UNITS, MARKER/DISPLAY BOARDS, MIRRORS AND WALL MOUNTED ACCESSORIES IN THEIR ENTIRETY. PREPARE SURFACES FOR NEW FINISHES.

D12 REMOVE GYM WALL PADS IN ITS ENTIRETY. PREPARE EXISTING WALL FOR NEW GYM WALL PADS.

D13 REMOVE EXTERIOR MASONRY WALL TO EXTENTS SHOWN ON PLAN. PREPARE EXISTING WALLS, FLOORS, CEILINGS AND ROOF FOR NEW ELEVATOR ADDITION. REFER TO S DRAWINGS FOR ADDITIONAL INFORMATION

DEMOLITION NOTES:

D14 CUT EXISTING CONCRETE FLOOR DECK FLUSH AND PREPARE SURFACES FOR NEW FINISHES AND ADDITIONAL FLOOR DECK. REFER TO S DRAWINGS FOR ADDITIONAL INFORMATION.

D15 REMOVE WOOD TELESCOPING BLEACHERS IN THEIR ENTIRETY. PREPARE AREA FOR NEW TELESCOPING BLEACHERS.

D16 SAW CUT SLAB ON GRADE TO EXTENTS SHOWN TO MAKE ROOM FOR NEW POOL DECK AND STAIRWELL TO POOL FILTER ROOM. REFER TO S DRAWINGS FOR ADDITIONAL INFORMATION.

D17 REMOVE WALL MOUNTED DISPLAY CASES AND TURNOVER TO OWNER. PREPARE WALL SCHEDULED TO REMAIN FOR NEW FINISHES.

D18 REMOVE SERVICE ELEVATOR AND ASSOCIATED COMPONENTS IN ITS ENTIRETY. PREPARE ELEVATOR PIT AND OPENING IN SLAB TO BE INFILLED. REFER TO S DRAWINGS FOR ADDITIONAL INFORMATION.

D19 REMOVE FIRE EXTINGUISHER AND ASSOCIATED CABINET. INFILL WALL TO MATCH EXISTING WHERE NEEDED.

D20 REMOVE BACKSTOP AND ALL ASSOCIATED COMPONENTS IN ITS ENTIRETY.

D21 REMOVE FLOOR AND SLAB IN THEIR ENTIRETY AND PREPARE AREA FOR NEW CONSTRUCTION. REMOVE WITH CARE AS TO NOT DISTURB EXTERIOR WALL TO REMAIN. REFER TO S DRAWINGS FOR ADDITIONAL INFORMATION.

D22 REMOVE CERAMIC FLOOR TILE BASE AND MORTAR BED IN THEIR ENTIRETY. PREPARE EXISTING CONCRETE FLOOR SLAB FOR NEW FINISHES.

D23 REMOVE STEEL GUARDRAIL IN ITS ENTIRETY.

D24 REMOVE ABANDONED MECHANICAL LOUVER AND ASSOCIATED DUCTWORK FROM EXISTING MASONRY WALL.

D25 REMOVE LOWER WOOD MILLWORK ONLY TO EXTENTS NEEDED TO FIT NEW WATER COOLER IN LOCATION SHOWN ON NEW WORK PLAN.

D26 REMOVE GLASS BLOCKS AND COMPONENTS IN THEIR ENTIRETY. REFER TO AB DRAWINGS FOR MORE INFORMATION.

D27 CONCRETE FOUNDATION WALL; PROTECT IN PLACE.

D28 REMOVE BOTH LOWER AND UPPER MILLWORK TO EXTENTS SHOWN.

D29 REMOVE CHAINLINK CAGE IN ITS ENTIRETY TO EXTENTS SHOWN ON PLAN.

D30 METAL STORAGE SHELVING UNITS; PROTECT IN PLACE.

D31 REMOVE GRAY MECHANICAL PIPE HOUSEING FROM WALL.

D32 REMOVE THE UPPER AND LOWER SLAB ON GRADE, ALONG WITH THE 2' GRADE IN BETWEEN, IN ITS ENTIRETY.

D33 REMOVE FLOORING TO EXTENTS OF THE ROOM SO A NEW FLOOR CAN BE CONSTRUCTED.

D34 REMOVE BUILT-IN CASEWORK TO EXTENTS SHOWN.

D35 REMOVE ALL WALL TILE IN ROOM. PREPARE WALLS TO RECEIVE NEW FINISHES.

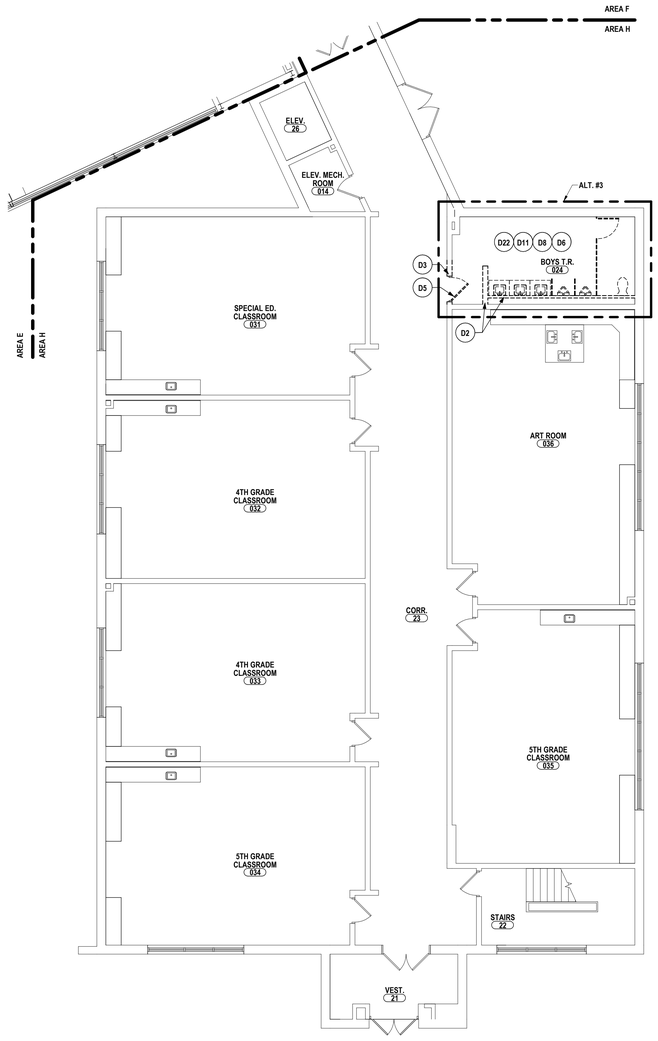
D36 REMOVE WALL TILE TO EXTENTS SHOW. PREPARE WALL TO RECEIVE NEW FINISHES.

D37 REMOVE RECORD BOARD WITH CARE AND TURN OVER TO OWNER.

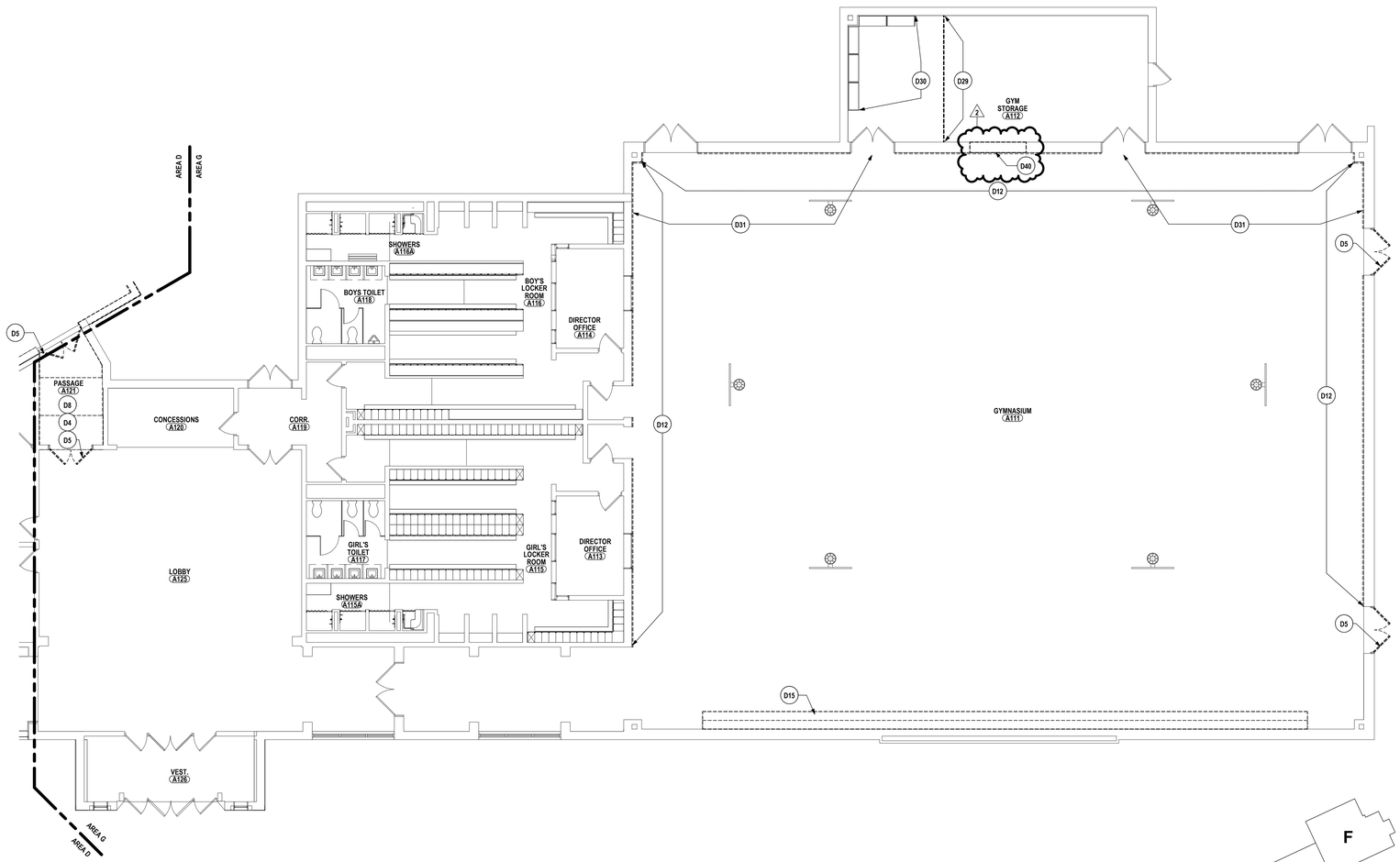
D38 REMOVE MOP SINK BASIN DOWN TO 1" BELOW FINISH FLOOR.

D39 REMOVE PARTIALLY UNFOLISHED CEILING ABOVE PRIMARY CEILING IN ITS ENTIRETY.

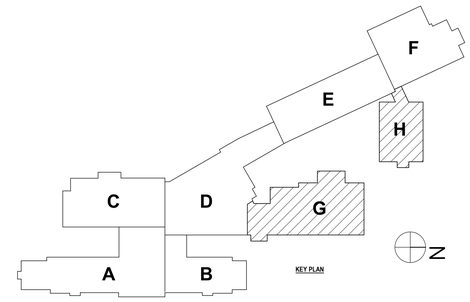
D40 PROVIDE 24" HIGH NEW OPENING BELOW EXISTING OPENING IN MASONRY WALL FOR RETURN GRILLE. WIDTH OF NEW OPENING TO MATCH EXISTING.



2 FIRST FLOOR DEMO PLAN - AREA H
1/8" = 1'-0"



1 FIRST FLOOR DEMO PLAN - AREA G
1/8" = 1'-0"



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FIRST FLOOR DEMO PLAN - AREA G & H

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SED #: 02-01-01-04-0-001-027

MC-A0.4

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